

NAME: \_\_\_\_\_

Period \_\_\_\_\_

## Latitude and Longitude: Map Reading

**Directions:** To find a location on the Earth a coordinate system has been established. In this system latitude degrees measure the distance north or south and longitude degrees measure the distance east or west. Using this coordinate system, answer the following questions.



1. Where do the meridians (longitude lines) on the globe converge?
2. How many degrees does the earth turn in 24 hours?
3. How many degrees does the earth turn in 1 hour?
4. What is the location of the International Date Line?
5. What is the location of the Prime Meridian?
6. What is the location of the equator?

7. At which latitude is the sun directly overhead on June 21<sup>st</sup>? December 21<sup>st</sup>? Today?
8. What is the time and day at 120° E longitude when it is 11 am Saturday at 75 W longitude?
9. When it is 8 A.M. Sunday at 15 E longitude, what is the time and day at 90 W longitude?
10. If it is 11 A.M. in Greenwich, England and 6 PM local time, where are you?
11. Which major city is located at 40° N, 74W?
12. Find the capital city of the Maldives, located in the Indian Ocean southwest of India. What are its coordinates?
13. Much of the tropical activity in the Atlantic Ocean first develops near the Cape Verde Islands. List the coordinates of that locale, and then describe the general direction many tropical disturbances take (most hit the Gulf of Mexico or the East Coast).